SONY®

COMPACT DISC PLAYER

CDX-A10

COMPACT disc DIGITAL AUDIO

OPERATING INSTRUCTIONS

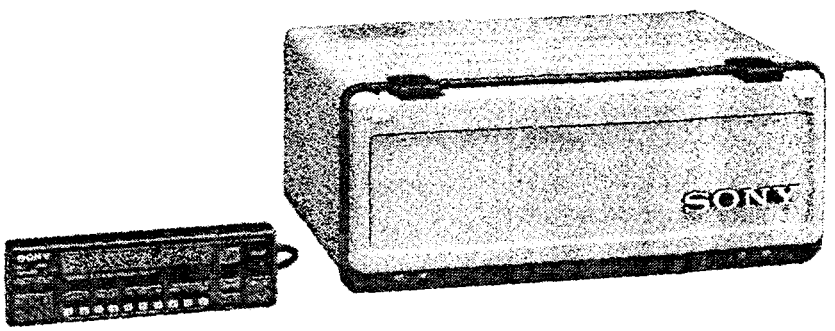
Before operating the unit, please read this manual thoroughly.
This manual should be retained for future reference.

For installation and connection, see the supplied installation/connections manual.

OWNER'S RECORD

The model and serial numbers are located at the rear of the unit. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CDX-A10 Serial No. _____



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INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient the receiving antenna**
- **Relocate this equipment with respect to the receiver**
- **Move this equipment away from the receiver**
- **Plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.**

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

DANGER

Invisible laser radiation when open and interlock failed or defeated.
Avoid direct exposure to beam.

* This label is located on the left side of the unit.

TABLE OF CONTENTS

Features 3
Precautions 3
Notes on moisture condensation 3
Notes on compact discs 4
Notes on disc magazine 4
Location and function of controls 5
  Controls of the changer (in the trunk room) 5
  Controls of the remote commander 6
Preparation 12

Disc playback
To start disc play 14
To stop during play 15
To adjust the sound level and quality 16
Search operation 18
  To search for a particular disc 18
  To search for a particular selection during play or pause 19
  To search for a particular point in a selection during play or pause 20
RMS (Random Music Sensor) play 21
Memory program play 23

Radio reception
Automatic tuning 26
Manual tuning 27
Memory preset tuning 28

Fuse replacement 30
Specifications 30
Trouble checks ..... Back cover

FEATURES

The CDX-A10 compact disc player automatically changes the discs in the disc magazine, and enables you to play the desired selection of the 10 discs in the desired sequence.

- The changer in the trunk room can be operated with the remote commander installed in the car.
- You can listen to the radio by connecting the tuner unit (optional).
- A compact remote commander for easy mounting.
- The "feather-touch" function keys enable you to switch directly from one mode to another.
- Search function for locating a desired disc and a desired point in the disc.
- AMS (Automatic Music Sensor) function for playing particular selections in any desired order.
- The PGM (program) function for choosing the selection with the numbered buttons, or for playing particular selections in any desired order.
- The SE (Sound Effector) key allows you to obtain the acoustical effects.

PRECAUTIONS

- This unit is designed for negative ground 12 V dc operation only.
- Avoid installing the unit where:
  - it would be subject to high temperatures, such as from direct sunlight or from hot air from the heater.
  - it would be exposed to rain or moisture.
  - it would be subject to dust or dirt.
  - it would be subject to excessive vibration.
- Before operating the unit first time or after replacing the battery, press the reset button with a pencil, etc., then start operating the unit.
- If the error indicator flickers in the display window with an alarm sound, see TROUBLE CHECKS on the back cover.
- If your car was parked in direct sunlight and there has been a considerable rise in temperature inside the car, allow the unit to cool off before operating. If the temperature exceeds 55°C (131°F), the protection circuit functions and the player cannot be operated.
- When transporting the unit, keep the unit horizontal.
- If no power is being supplied to the unit, check the connection first. If everything is in order, check the fuse. See page 29.

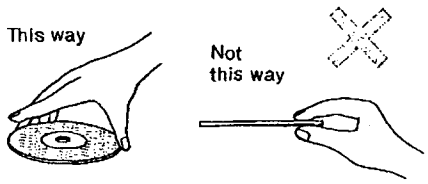
If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

NOTES ON MOISTURE CONDENSATION

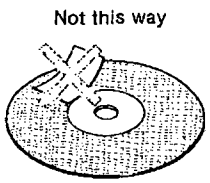
On a rainy day or in a very damp area, moisture may condense on the lenses inside the unit.
Should this occur, the unit will not operate. In this case, remove the disc and wait for about an hour until the moisture evaporates.

NOTES ON COMPACT DISCS

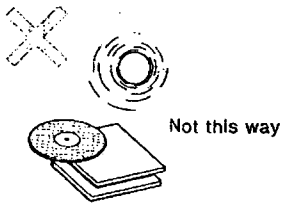
Handle the disc by its edge, and to keep the disc clean, do not touch the rainbow colored surface.



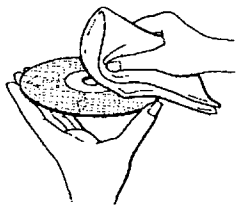
Do not stick paper or tape on the labeled surface.



Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in the direct sunlight where there can be a considerable rise in the temperature.



Before playing, clean the disc with an optional cleaning cloth.
Wipe the disc in the direction of the arrows.



Do not use solvents such as benzine, thinner, commercially available cleaners or antistatic spray intended for analog discs.

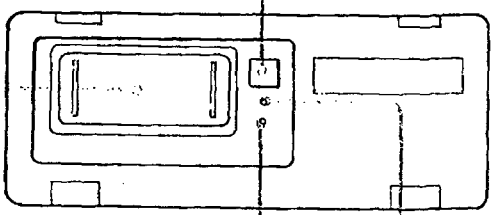
NOTES ON DISC MAGAZINE

- Do not leave the magazine in high-temperature, high-humidity locations, such as on a car dashboard or at the rear window where the magazine will be subjected to direct sunlight.
- Do not drop the magazine or subject it to violent shock.
- When the magazine is not in use, store it in its protective case.

LOCATION AND FUNCTION OF CONTROLS

For detailed operation, refer to the page of the number in ●.

CHANGER (in the trunk room)



⏏ EJECT button
Press this button to remove the disc magazine.

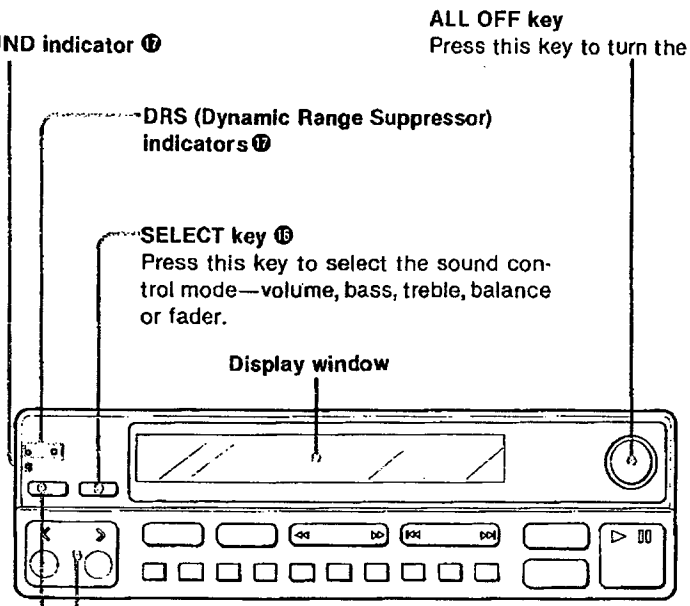
Magazine slot

RESET button
Press this button with a pencil or similar object after all leads have been connected, if any key or control does not function, if the E-99 indicator flickers, or after the tuner unit has been connected to the unit or disconnected from the unit.
If this button is pressed, all memory is erased.

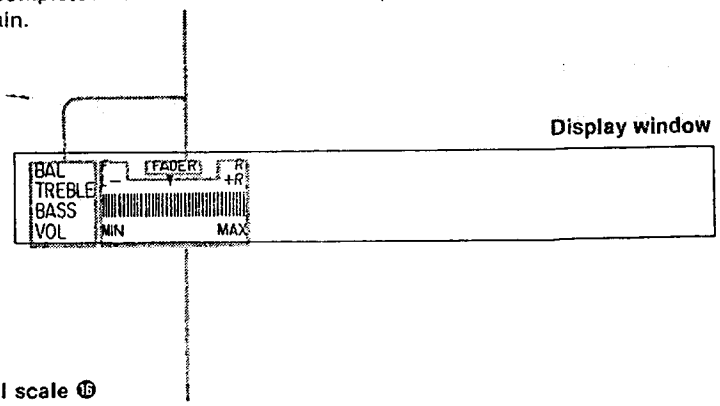
STANDBY indicator
When the disc magazine is inserted into the changer, this indicator lights up for a few seconds.

REMOTE COMMANDER

General


SURROUND indicator ⓱
ALL OFF key
Press this key to turn the power off.
DRS (Dynamic Range Suppressor) indicators ⓱
SELECT key ⓰
Press this key to select the sound control mode—volume, bass, treble, balance or fader.
Display window
Sound control key ⓰
Normally this key operates as a volume control.
Press it to adjust the sound level or quality selected with the SELECT key.
SE (Sound Effector) key ⓱
Press this key to select sound effect—SURROUND, DRS 1 or DRS 2.

Sound control indicator ⑯
Normally the VOL indicator is displayed.
When the desired mode is selected with the SELECT key, the indicator of that mode appears, and the VOL indicator dissappears. The BAL (balance), TREBLE, BASS, and FADER indicator will dissappear a few seconds after the adjustment is completed and the VOL indicator will appear again.



Level scale ⑯
Normally this level scale shows the overall sound level. By switching the SELECT key, it also shows the level of treble response, bass response, the balance of left and right channels, or of front and rear speakers.

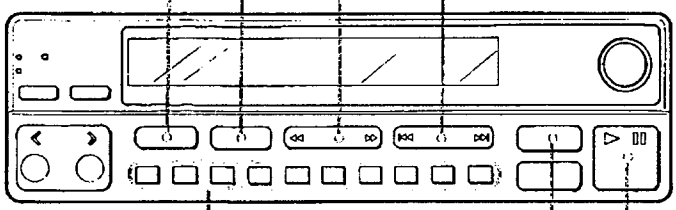
For CD play

◀◀ ▶▶ key ⑳
Press this key to quickly locate a desired point of a selection in forward or backward direction during play or pause.

RMS (Random Music Sensor) key ㉑
Use this key for programming RMS play.

MEM (memory) key ㉓
Use this key for presetting memory program play.

⏮◀◀ ▶▶⏭ key ⑲ ⑳
Press this key after pressing the numbered buttons to select the desired selection during play or pause.
Press this key to quickly locate a desired selection in forward or backward direction during play or pause.



Numbered buttons ⑱ ㉑ ㉒
Use these buttons to select the desired disc or selection, or for RMS play or memory program play.

PGM PLAY (Program Play) key ㉔
Press this key to start the memory program play. To release the program play, press it again.

▶II/DISC key ⑭ ⑮
Press this key to start normal disc play. The ▶ indicator will light up.
Press it to pause during play. The II indicator will light up. To release the pause mode, press this key again.
Press it after pressing the numbered buttons to select the desired disc, during play or pause.

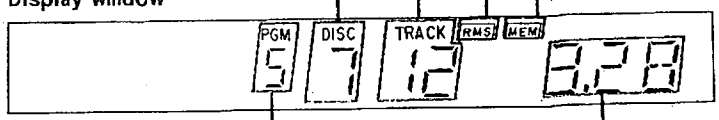
MEM indicator
This indicator appears when the MEM key is pressed. When the selection is preset on the numbered button, this indicator disappears.

RMS indicator
This indicator flickers when the RMS key is pressed, and is displayed during RMS play.

TRACK indicator
This indicator shows the number of the selection being played.

DISC indicator
This indicator shows the number of the disc being played.

Display window



PGM indicator
The PGM indicator appears when the PGM PLAY key is pressed.
This indicator shows the number of the numbered button that the selection being played is preset on.

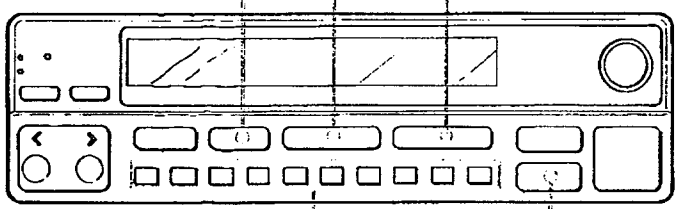
Time counter
This time counter shows the elapsed time in minutes and seconds.

For radio reception —When the XT-10 tuner unit (optional) is connected

–MANU+ (manual) key ㉗
Press this key for manual tuning.

SENS key ㉕
Press this key during radio reception to select the desired mode, LCL (local), ST (FM stereo) or MONO (monaural).

–SCAN+ key ㉖
Press for automatic scanning.



Numbered buttons ㉘
Press the desired number button to preset the frequency and to receive a preset station.

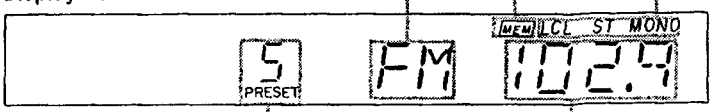
TUNER/BAND key ㉔
Press this key to turn on the radio.
During radio reception, press this key to select the desired band, FM or AM.

LCL/ST/MONO (local/FM stereo/monaural) indicator ㉕

MEM indicator
This indicator appears for about 5 seconds when the MEM key is pressed.

BAND indicator
This indicator shows the selected band, FM or AM.

Display window

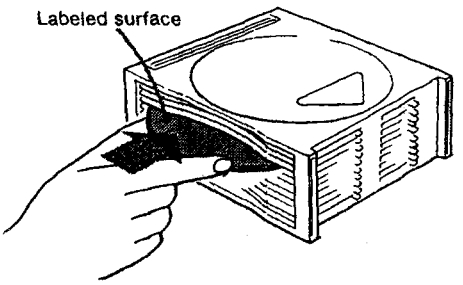


Frequency indicator
This indicator shows the frequency being received.

PRESET indicator
When a station is preset, the PRESET indicator and the number of the pressed numbered button appears.

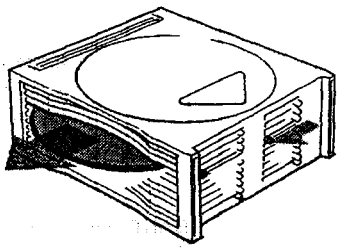
HOW TO INSERT DISCS INTO THE DISC MAGAZINE

The disc magazine stores up to 10 compact discs.



- Push in until the disc is fully inserted.
- Do not insert more than one disc into one slot, othewise the player and the discs will be damaged.

To remove the disc, slide its storage shelf's blue lever in the direction of the arrow.

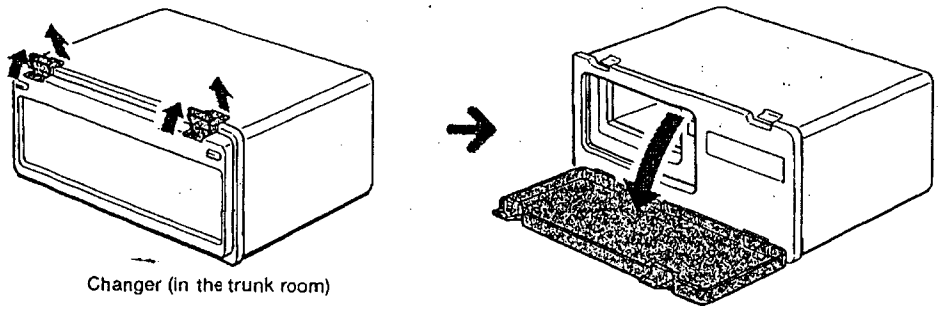


Note
When inserting or taking out a disc, do not touch its rainbow-colored surface.

HOW TO INSERT THE DISC MAGAZINE INTO THE CHANGER (in the trunk room)

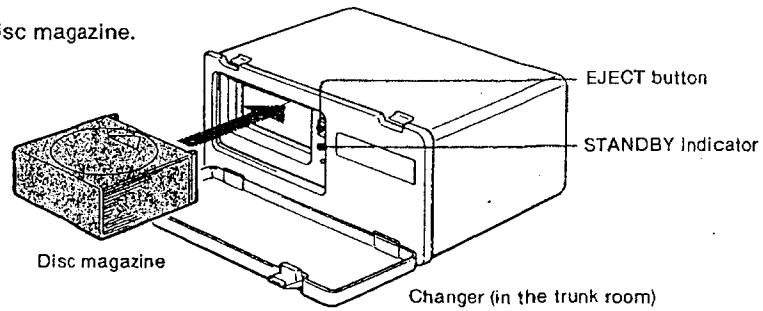
Be sure to insert the discs into the supplied disc magazine, and insert the disc magazine into the changer as illustrated.

1 Open the door.



Changer (in the trunk room)

2 Insert the disc magazine.



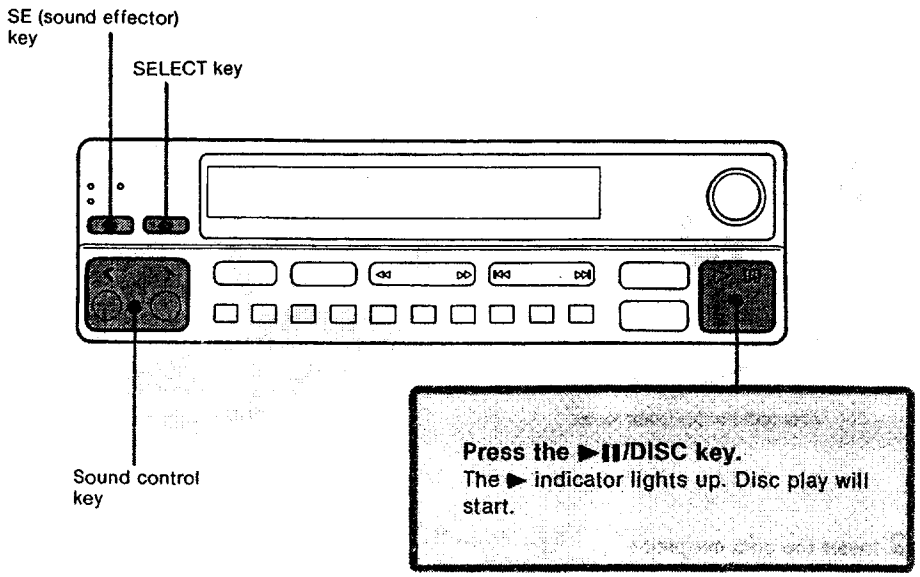
To remove the disc magazine, press the EJECT button.
The disc magazine can be removed, even when the ignition key is turned OFF.

Notes

- After inserting the disc magazine into the changer, make sure that the STANDBY indicator lights up. If the disc magazine is completely not inserted in the changer, the STANDBY indicator will not light up.
- In order to avoid accident, make sure that no foreign object enter the unit. Use the unit with the door closed, otherwise the lens in the player may become contaminated.

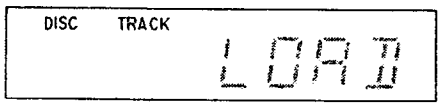
DISC PLAYING

TO START DISC PLAY



When the disc reaches the end of the last selection of the disc, play of the next disc starts automatically.
While the disc is being changed, the LOAD indicator is displayed.

Display window



When the play of the last selection of the last disc ends, the unit will automatically go back to the beginning of the first selection of the first disc, and play will restart.

Notes

- When the ▶II/DISC key is pressed the first time after the disc magazine has been inserted into the changer, play starts from the beginning of the first selection on the first disc.
- When the ▶II/DISC key is pressed in the pause mode or stop mode, play starts from the point at which the disc play was stopped.
- If the ignition key is turned OFF during play, and set to IGN or the accessory position after more than 32 seconds, play will resume from the beginning of the same selection as before. If you were listening to the RMS play or memory program play, that play will be canceled.

TO STOP DURING PLAY

To pause during play for a moment
Press the ▶II/DISC key. The II indicator lights up.
To release the pause mode, press the key again. Disc play restarts from the same point.

To stop the disc play
Press the ALL OFF key. To restart the disc play, press the ▶II/DISC key. Disc play wil start from the same point.

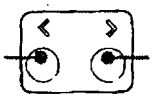
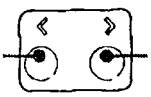
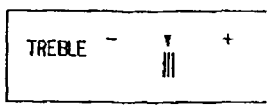
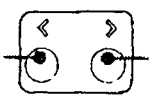
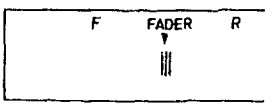
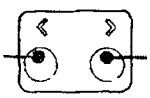
The disc play also stops when the TUNER/BAND key is pressed when the XT-10 tuner unit is connected to the unit. (The radio is turned on.) To restart disc play, press the ▶II/DISC key. Play will start from the point at which the TUNER/BAND key was pressed.

TO ADJUST THE SOUND LEVEL AND QUALITY

1 Press the SELECT key to select the desired sound quality—volume, bass, treble, balance or fader. The word indicating the selected mode is displayed in the display window.

2 While the word indicating the selected mode is displayed, adjust the sound with the sound control key.

The sound control key will take the function of a volume control a few seconds after the adjustment is completed.

Display	Sound control key
Volume control 	**Adjust the volume.** To decrease, keep this side pressed or press repeatedly.  To increase, keep this side pressed or press repeatedly.
Bass control 	**Adjust the bass response or the treble response.** To decrease, keep this side pressed or press repeatedly.  To increase, keep this side pressed or press repeatedly.
Treble control 	
Balance control 	**Adjust the balance of the right and left channels.** To increase the level of the left speakers, keep pressed or press repeatedly.  To increase the level of the right speakers, keep pressed or press repeatedly.
Fader control 	**Adjust the balance of the front and rear speakers.** To increase the level of the front speakers, keep pressed or press repeatedly.  To increase the level of the rear speakers, keep pressed or press repeatedly.

SE (sound effector) key
Optimum sound effect can be obtained by using this key.

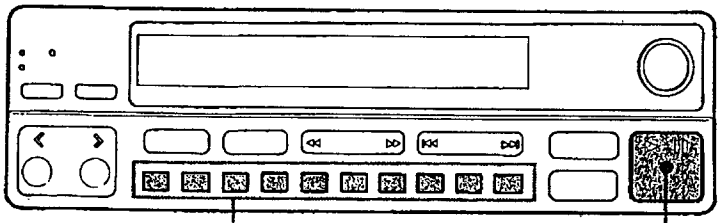
SURROUND	When you want to obtain natural and rich reproduced sounds, almost like being in a concert hall, press the SE key once. The SURROUND indicator lights up.
DRS* 1	If engine noise or outside noise is annoying, press the SE key twice. The DRS 1 indicator lights up. Low level sound will be increased.
DRS 2	When you want to obtain a stronger effect than that of DRS 1, press the SE key three times. The DRS 2 indicator lights up. Low level sound will be further increased. To release the DRS 2 mode, press the key again.

*DRS (Dynamic Range Suppressor) compensates low level sound and suppresses very high level sound.

An important point to remember
In the CD system, a wider dynamic range is achieved than that of the conventional analog system, and the peaks or high level inputs are recorded with high-fidelity. In addition, the noise level is very low.
If you turn up the volume inadvertently while listening to a portion where no audio signals of very low level inputs are recorded, the speakers may be damaged when the portion with peak levels is played.

SEARCH OPERATION

TO SEARCH FOR A PARTICULAR DISC

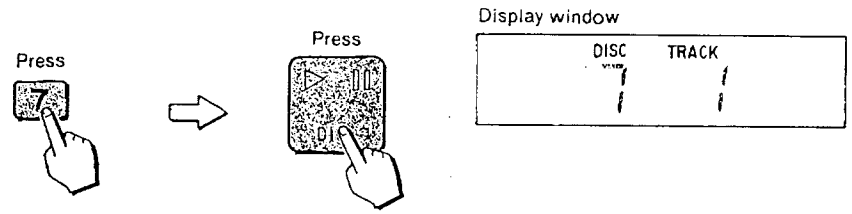


1 **Press the numbered button corresponding to the disc which you want to play.**
During the radio reception, press the numbered button after pressing the ALL OFF key or ▶II/DISC key.

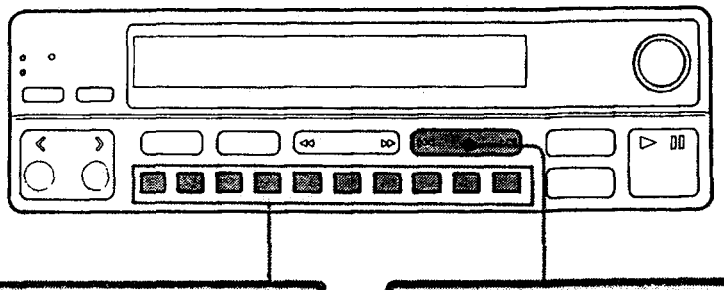
2 **Press the ▶II/DISC key within about 5 seconds after pressing the numbered button.**
Play will start from the beginning of the desired disc.

The numbers of numbered buttons match the numbers on the side of the disc magazine.

Example: To listen to the 7th disc



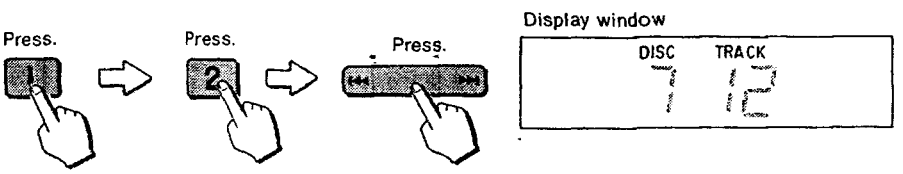
TO SEARCH FOR A PARTICULAR SELECTION DURING PLAY OR PAUSE
—AMS (Automatic Music Sensor) function—



1 **Press the numbered button corresponding to the selection which you want to play.**

2 **Press the ⏮ ⏭ key within about 5 seconds after pressing the numbered button.**
Play will start from the beginning of the desired selection.

Example: To listen to the 12th selection (on the 7th disc)

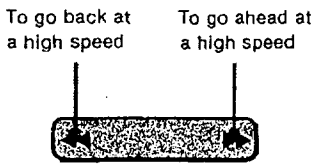


To search for a previous selection during play or pause
Press the |◀◀ side of the |◀◀ ▶▶| key once. The beginning of the selection being played is searched for. Each time the |◀◀ side is pressed, one selection back is searched for. When the |◀◀ side is kept pressed, a previous selection is searched for continuously.

To search for a selection ahead during play or pause
Press the ▶▶| side of the |◀◀ ▶▶| key once. The next selection after that being played is search for. Each time the ▶▶| side is pressed, the selection ahead is searched for. When the ▶▶| side is kept pressed, a selection ahead is searched for continuously.

Note
When the disc reaches the beginning of the last or first selection, the scanning stops at that point.

TO SEARCH FOR A PARTICULAR POINT IN A SELECTION DURING PLAY OR PAUSE
—Manual search—



When you have passed the end of the disc by keeping the ▶▶ side pressed or passed the beginning of the disc by keeping the ◀◀ side pressed, the manual search stops at that point.

RMS (Random Music Sensor) PLAY

You can select up to 5 selections on the discs in the disc magazine and play them in whatever sequence you wish.

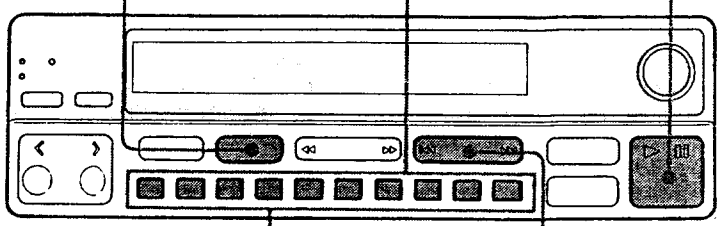
TO PROGRAM FOR RMS PLAY

The selection can be programmed either during play or pause.

1 **Press the RMS key.**
The RMS indicator, disc number, and track number in the display window flicker, and the time counter disappears.

2 **While the RMS indicator is flickering, press the numbered button corresponding to the disc which you want to play.**

3 **Press ▶II/DISC key within about 5 seconds after pressing the numbered button.**
The desired disc number will stop flickering.



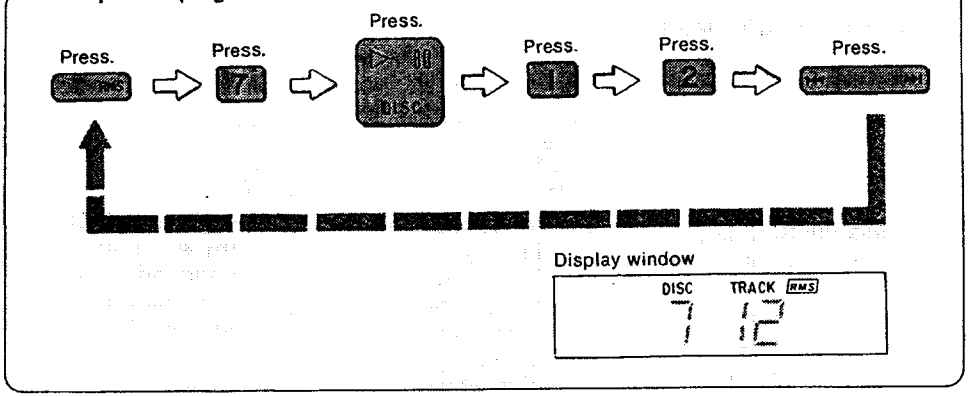
4 **While the track number is flickering, press the numbered button corresponding to the selection which you want to play.**

5 **Press the I◀◀ ▶▶I key within about 5 seconds after pressing the numbered button.**
The desired selection number and the RMS indicator will stop flickering.

6 **Repeat steps 1–5.**
Up to 5 selections can be programmed until the "FULL" appears in the display window.

Play is not interrupted, even while the selections is programmed.
When the disc reaches the end of the selection being played, the RMS play will start. (When the unit is in pause, press the ▶II/DISC key.)
The selections are played in the order in which they are programmed.

Example: To program the 12th selection on the 7th disc for RMS play



To stop RMS play
Press the ALL OFF key. The memory of the remaining RMS play will be canceled.
The RMS play also stops and is canceled when the TUNER/BAND key is pressed with the XT-10 tuner unit connected to the unit. (The radio is turned on.)

To search for a selection in forward direction of the sequence programmed during RMS play, press the ▶▶| key.

- When the |◀◀ side of the |◀◀ ▶▶| key is pressed during RMS play, the beginning of the selection being played is searched for.
- When the ◀◀ or ▶▶ side of the ◀◀ ▶▶ key is pressed during RMS play, play will go back or ahead in the normal sequence, and resume from the reached point. When playing of that selection ends, RMS play will resume from the beginning of the next programmed selection.

Notes
- RMS play will be canceled when:
  —the desired disc is selected with ▶II/ DISC key and numbered button.
  —the desired selection is selected with |◀◀ ▶▶| key and numbered button.
  —more than 32 seconds passes after the ignition key is turned OFF.
- When the play of the last-programmed selection ends, play will start in normal sequence from the beginning of the next selection.
- The RMS indicator shows that the selections programmed for RMS play are memorized.

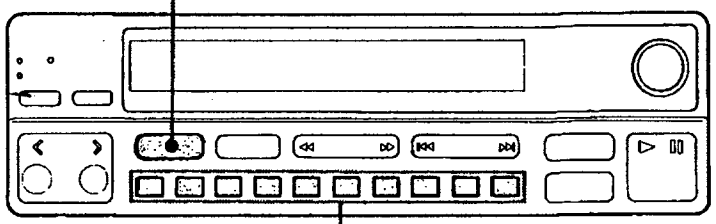
MEMORY PROGRAM PLAY

Up to 10 selections can be preset on each numbered button in the desired sequence.
Also, you can play the preset selections continuously in the desired sequence.

TO PRESET THE SELECTION BEING PLAYED

The selection can be preset in the unit's memory either during play or pause.

1 **Press the MEM key.**

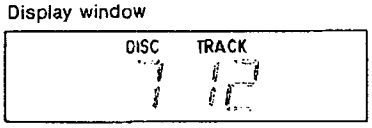


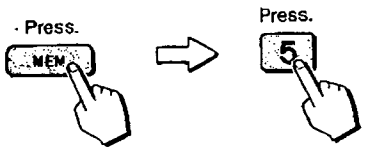
2 **While the MEM indicator is displayed, press the desired numbered button.**
The MEM indicator disappears and the selection being played is preset on that numbered button.

Example: To preset the 12th selection on the 7th disc on the numbered button 5

While the disc number 7 and the track number 12 are displayed,

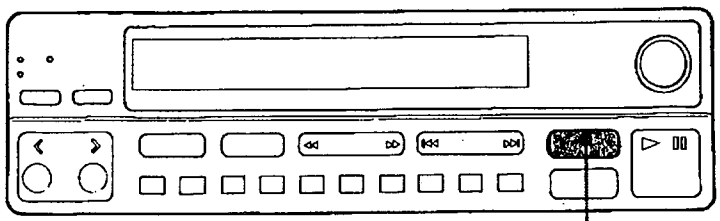
Display window





TO START MEMORY PROGRAM PLAY

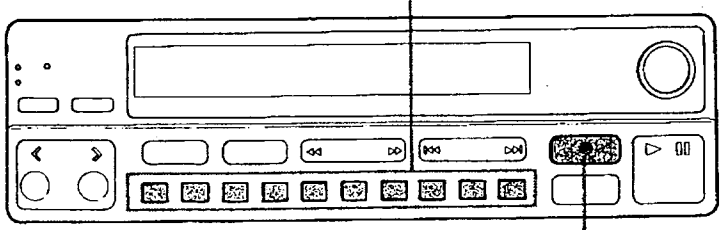
To start play from the selection preset on the numbered button [1]



Press the PGM PLAY key.
The PGM indicator and the number "1" appears.
The preset selections are played repeatedly in the order of the number of the numbered buttons.

To start play from the selection preset on the desired numbered button.

1 **Press the desired numbered button.**
During the radio reception, press the numbered button after pressing the ALL OFF key or ▶II/DISC key.



2 **Press the PGM PLAY key within about 5 seconds after pressing the numbered button.**
The PGM indicator and the number of the numbered button pressed appears. Play will start from the beginning of the selection preset on the numbered button pressed.

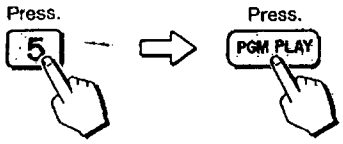
This operation is possible even when the preset selection is being played.

Notes

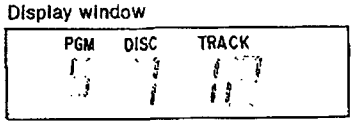
- The previous memory will be erased when a new selection is preset on the previously numbered button.
- If the RESET button is pressed, all memory is erased.
- During memory program play, the numbered buttons on which no selections were preset are skipped.
- If no disc is in the slot which matches the number of the disc preset on the numbered button, the memory of that numbered button will be erased.

Example: To listen to the selection preset on the 5 numbered button

When that selection is the 12th selection on the 7th disc, the display window will be as illustrated below.



Display window



To stop the memory program play

Press the PGM PLAY key again. When the selection being played ends, play will start in normal sequence from the beginning of the next selection.

To search for a selection in forward direction of the sequence programmed during memory program play, press the ▶▶| key.

- When the |◀◀ side of the |◀◀ ▶▶| key is pressed during memory program play, the beginning of the selection being played is searched for.
- When the ◀◀ side or ▶▶ side of the ◀◀ ▶▶ key is pressed during memory program play, play will go back or ahead in the normal sequence, and resume from the reached point. When playing of that selection ends, memory program play will begin again from the beginning of the next preset selection.

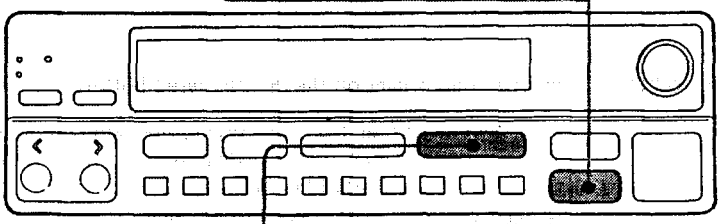
RADIO RECEPTION

When the XT-10 tuner unit is connected to the unit, you can listen to the radio.

AUTOMATIC TUNING

1 **Press the TUNER/BAND key.**
The tuner is turned on.

2 **Select the desired band, FM or AM, by pressing the TUNER/BAND key.**
The corresponding indicator will appear.



3 **Press the SCAN key. When a station is tuned in, scanning stops for a few seconds. When you want to listen to that station, press the key again.**

To turn off the radio, press the **ALL OFF** key, the **▶II/DISC** key or the **PGM PLAY** key.
When the **▶II/DISC** key is pressed, CD play starts.
When the **PGM PLAY** key is pressed, PGM PLAY starts.

To adjust the sound level and quality, use the **SELECT** key and the sound control key. (See page 16.)

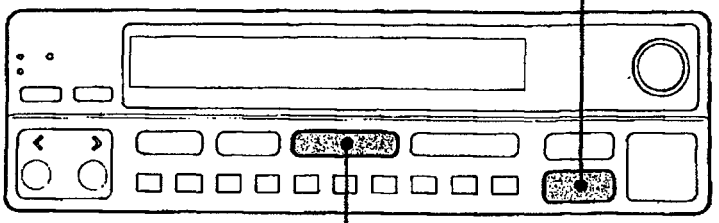
SENS key
Press this key to select the mode you require —LCL (local) or MONO (monaural).
Select the LCL mode to receive AM station at night or to receive a strong FM/AM signal station.
Select the MONO mode if noise makes it hard to hear an FM program.
When the FM stereo is received, the ST indicator appears.

SENS key	Mode	
	While receiving FM stations	While receiving AM stations
Press once.	**LCL mode** The LCL indicator appears.	**LCL mode** The LCL indicator appears.
Press twice.	**MONO mode** The MONO indicator appears. If the FM stereo program has been received, the ST indicator goes out.	(released)
Press three times.	(released)	

MANUAL TUNING

1 **Press the TUNER/BAND key.**
The tuner is turned on.

2 **Select the desired band, FM or AM.**



3 **Observing the frequency digits in the display window, press the + side of the MANU key to go to a higher frequency, or the − side to go to a lower frequency.**

When you press the + side or − side of the MANU key once, the frequency will be increased or decreased by following intervals:
FM: 0.2 MHz
AM: 10 kHz

To change the frequency continuously, keep the key pressed.

Warning
While driving, keep your eyes on the road and use the automatic tuning or the memory preset tuning!

MEMORY PRESET TUNING

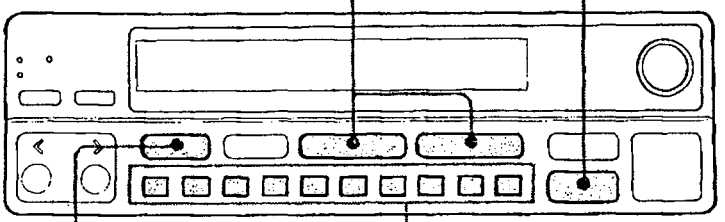
TO PRESET A STATION

You can preset an FM and an AM station on each numbered button.

1 **Press the TUNER/BAND key to turn on the radio.**

2 **Select the desired band, FM or AM.**

3 **Tune in the desired station by the automatic or manual tuning.**



4 **Press the MEM key.**
The MEM indicator in the display window appears for about 5 seconds.

5 **Press the desired button while the MEM indicator is displayed.**
The MEM indicator disappears and the PRESET indicator and the number of the numbered button pressed appears.

The MEM indicator disappears after about 5 seconds. When the MEM indicator disappears, memory circuit does not function. In this case, press the MEM key again.

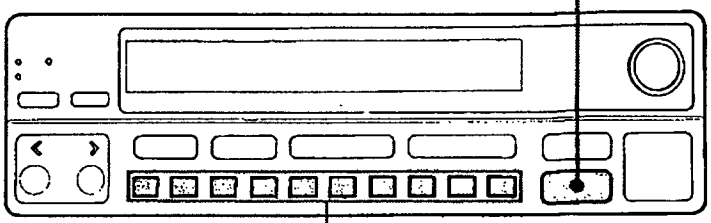
Notes

- The previous memory will be erased when a new frequency is put in the memory of a previously used button.
- If the PRESET button is pressed, all memory is erased.

TO RECEIVE A PRESET STATION.

1 Press the TUNER/BAND key to turn on the radio.

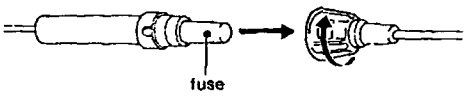
2 Select the desired band, FM or AM.



3 Press the numbered button on which the desired station is preset.

FUSE REPLACEMENT

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In this case consult your nearest Sony dealer.



Warning

Use the specified ampere fuse for each lead. Use of a higher amperage fuse may cause serious damage.

SPECIFICATIONS

System	Compact disc digital audio system
Disc	Compact disc
Laser diode properties	
	Material: GaAlAs
	Wave length: 780 nm
	Emission duration: Continuous
	Laser output: Max. 0.4 mW*

*This output is the value measured at a distance of about 1.6 mm from the objective lens surface on the Optical Pick-up Block.

Spindle speed	200 r.p.m. to 500 r.p.m. (CLV)
Error correction	Sony Super Strategy Cross Interleave Reed Solomon Code
Number of channels	2
D-A conversion	16-bit linear
Frequency response	5–20,000 Hz ±1 dB
Harmonic distortion	0.015% (1 kHz)
Dynamic range	85 dB
Signal to noise ratio	85 dB
Channel separation	75 dB
Wow and flutter	Below measurable limit
Tone controls	Bass ±8 dB (100 Hz) Treble ±8 dB (10 kHz)
Outputs	Line output

Disc

Track pitch	1.6 μm
Sampling frequency	44.1 kHz
Quantization	16 bit linear quantizing/channel
Modulation system	EFM
Transfer rate	2.03 Mbit/sec. (before modulation)

Tuner section (When the XT-10 tuner unit is connected to the unit.)

FM tuner section

Tuning range 87.9–107.9 MHz
Antenna terminal FM/AM external antenna connector
Intermediate frequency 10.7 MHz
Usable sensitivity 9.3 dBf (0.8 μV/75 ohms)
Sensitivity at 50 dB quieting 15.3 dBf (1.6 μV/75 ohms)
Selectivity 75 dB at ±400 kHz
Signal-to-noise ratio 70 dB (monaural), 67 dB (stereo)
Harmonic distortion at 1 kHz 0.15% (monaural), 0.3% (stereo)
Separation 42 dB
Frequency response 30 Hz–15,000 Hz ±3 dB

AM tuner section

Tuning range 530–1,620 kHz
Antenna terminal FM/AM external antenna connector
Intermediate frequency 450 kHz
Sensitivity 28 μV
Signal-to-noise ratio 55 dB
Harmonic distortion 0.3%

General

Power requirements 12 V dc car battery (negative ground)
Current drain 800 mA (CD playback)
800 mA (during disc loading or eject)
300 mA (radio reception)
Operating temperature −10°C–55°C (14°F–131°F)
Mounting dimensions
Changer
Approx. 327 × 134 × 221 mm (w/h/d)
(12⅞ × 5⅜ × 8¾ in.)
not incl. projecting parts and controls
Commander
Approx. 178 × 48 × 25 mm (w/h/d)
(7⅛ × 1 15/16 × 1 in.)
Including projecting parts and controls
Weight
Changer
Approx. 5.6 kg (12 lb 6 oz)
Commander
Approx. 0.3 kg (11 oz)
Supplied accessories
Disc magazine (1)
Mounting hardware (1 set)
Fuse (1 A) (2)
Connecting cord (1)
Distribution lead (1)
Protector (1)
Ground wire extension cord (1)

Design and specifications subject to change without notice.

OPTIONAL ACCESSORIES

Mounting kit
Cleaning cloth XP-CD1
Auto source selector XA-39
FM/AM tuner unit XT-10

TROUBLE CHECKS

Error displays

The following indicator flickers for about 5 seconds.

E-01	The disc magazine is not inserted in the changer.
E-02	No disc is inserted in the disc magazine.
E-03	The selection which is not on the disc is selected by the AMS function.
E-04	The disc is dirty, or the disc is inserted upside down.
E-05	The PGM PLAY key is pressed when no selection is preset for PGM play.

E-99	The unit cannot be operated because of trouble. → Press the RESET button of the changer in the trunk room (See page 5.) This indicator keeps flickering until trouble is reformed. If this indicator does not disappear after pressing the RESET button, consult your nearest Sony dealer.

Other displays

FULL	You have tried to program more than 5 selections for RMS play.
WAIT	The temperature exceeds 55°C (131°F) and the player cannot be operated. When the unit cools off, this indicator disappears. When the PRESET button is pressed, this indicator appears for a few seconds.
LOAD	The disc is being changed during play.

The following checks will assist in the correction of most problems which you may encounter with your unit. Should any problem persist after you have made these checks, consult your nearest Sony service facility. When bringing in your unit for repair work, make sure you bring in the whole system (changer, remote commander, and the XT-10 if connected).

Before going through the check list below, first refer back to the connection and operating procedures.

CD player section

Play does not begin.
- The unit is in the pause mode.

The operation keys do not work.
- The built-in microprocessor malfunctions. → Press the RESET button.
- The commander is not firmly connected to the changer.

The sound is skipped due to vibration.
- The shipping screws are not removed.
- The changer is installed at an angle of more than 15° from the horizontal.
- The unit is not installed on the sturdy part of car.
- Dusty or defective disc.

Tuner section (when the XT-10 tuner unit is connected to the unit)

Preset tuning is not possible.
- Memorize the correct frequency.
- The broadcasting is weak. → Use manual tuning.

Automatic tuning is not possible.
- The broadcasting is weak. → Use manual tuning.

The ST indicator flickers.
- Tune in precisely.
- The broadcasting is weak. → Press the SENS key twice.

Sony Corporation Printed in Japan 3-760-947-25 (1)

SONY

COMPACT DISC PLAYER

CDX-A10

INSTALLATION/CONNECTIONS

Sony Corporation © 1985 Printed in Japan

INSTALLATION

INSTALLATION OF THE CD PLAYER

Before installation

Install the CD player in the trunk room of a car, and the remote commander in the dashboard or on the wall of the car.

Installation with the Sony XT-10 FM STEREO/FM-AM tuner unit (optional)

The optional XT-10 tuner unit can be attached to the bottom of the player using the mounting hardware supplied with the tuner unit. For details about the tuner installation, refer to the instruction manual of the tuner unit.

Mounting diagram 1

Follow mounting diagram 1 for safe and secure installation.

To prevent serious damage to the car and the unit, choose the mounting location carefully, observing the following:

- The fuel tank should not be damaged by the tapping screws.
- There should be no wire harnesses nor pipelines under the place where you are going to install this unit.
- The spare tire, tools or other equipments in and/or under the trunk room should not be interfered with nor damaged by the screws or the unit itself.

Mounting diagram 2

1. Attach ⓑ on the rear of ⓐ.
   Put ⓐ under the carpet, on a level surface (±15° slope) of the floor in the trunk room for secure mounting.
2. Cut the carpet as shown in the illustration.
3. Attach ⓒ to the unit. When you use the optional XT-10 tuner unit, use the upper holes.
4. Set the unit on the carpet and fasten it with ⓔ.

Cautions

- Be sure to use only the supplied mounting hardware for a safe and secure installation.
- Avoid installing the unit where the adhesive strength of the sponges (part ⓑ) will become weaker due to radiation heat from the muffler, the unevenness of the trunk room floor, or dirt or grease on the sponges' surfaces.
- If enough adhesive strength cannot be obtained from the sponges to keep the unit securely, install the unit following the mounting diagram 1.

INSTALLATION OF THE REMOTE COMMANDER

Before installation

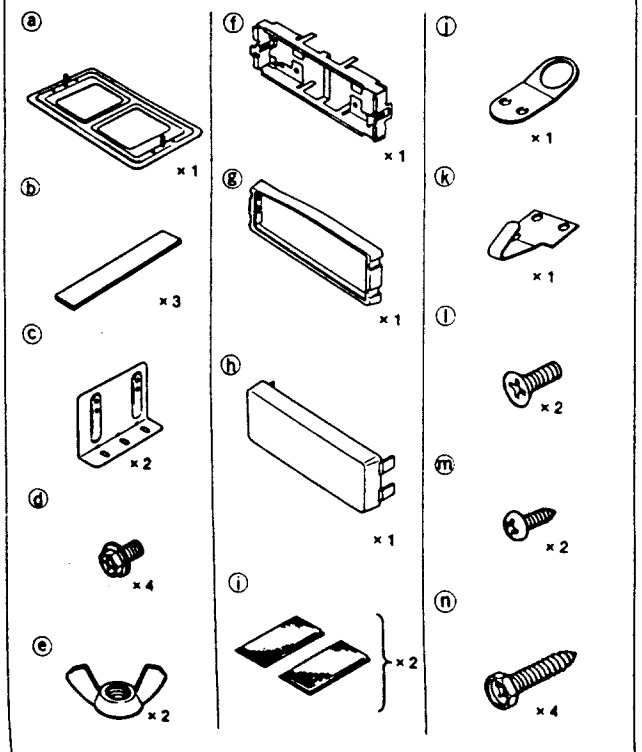
- Choose the mounting location carefully so that the unit will not interfere with normal driving functions and so that the unit will not be exposed to direct sunlight or hot air from the heater.

If you are unsure of the best installation, please ask for assistance at the shop where the unit was purchased, or your nearest dealer.

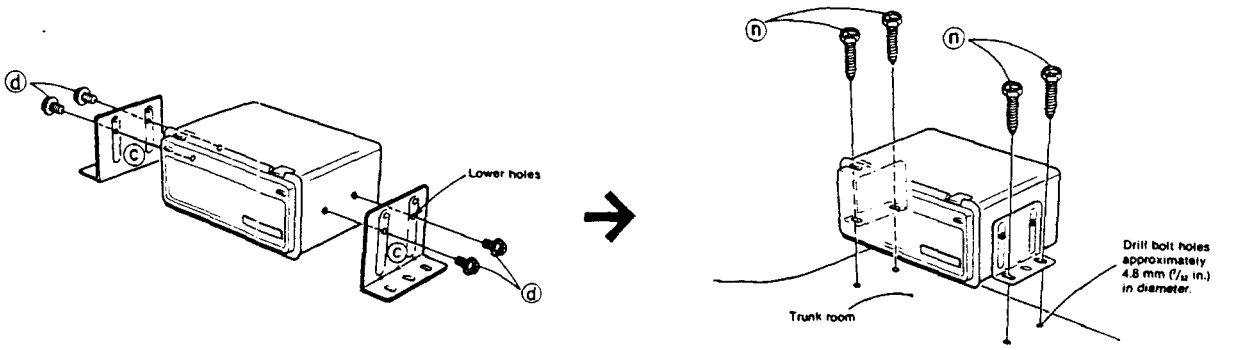
- This commander can be installed in three ways as shown in illustrations A - C.

SUPPLIED MOUNTING HARDWARE

Before installation, check if you have all the supplied mounting hardware listed below.

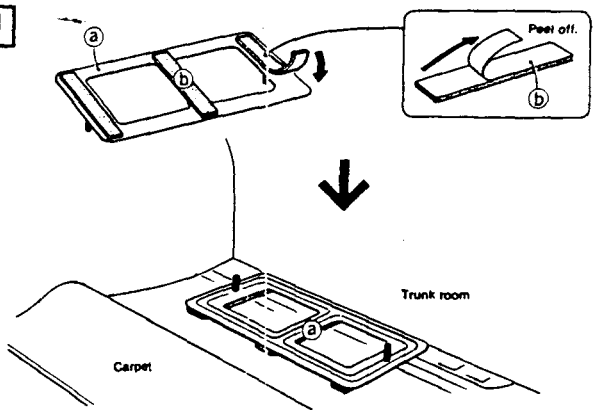


Mounting diagram 1

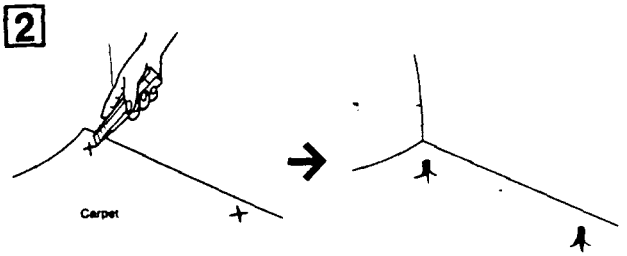


Mounting diagram 2

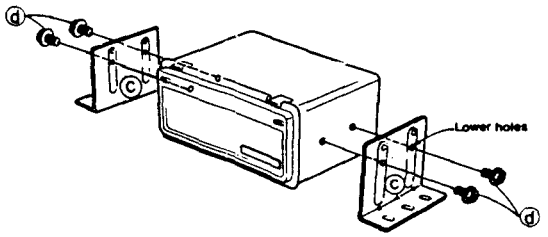
1



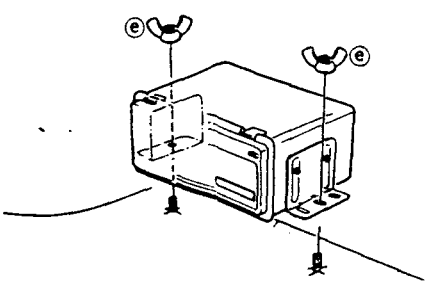
2



3

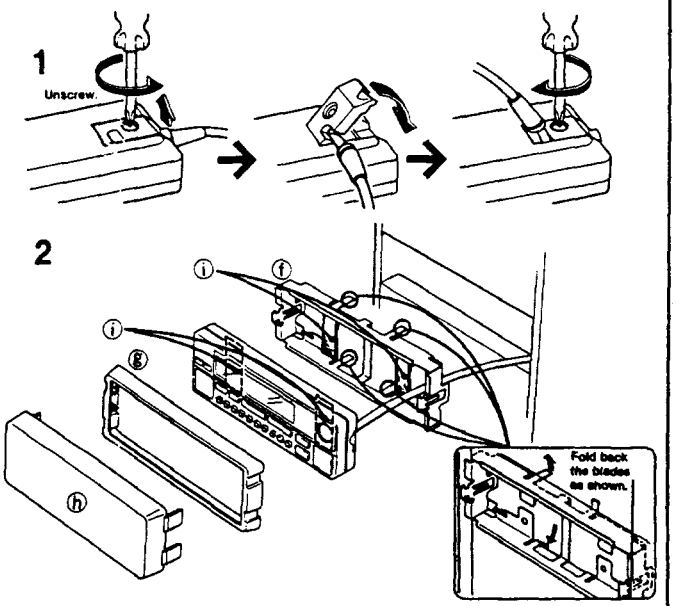


4

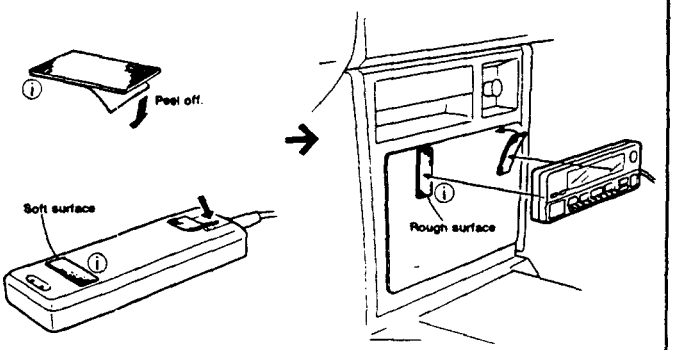


After completion of the installation, make sure that the mounting is secure, so that the unit does not move around when the car starts or the brakes are applied.

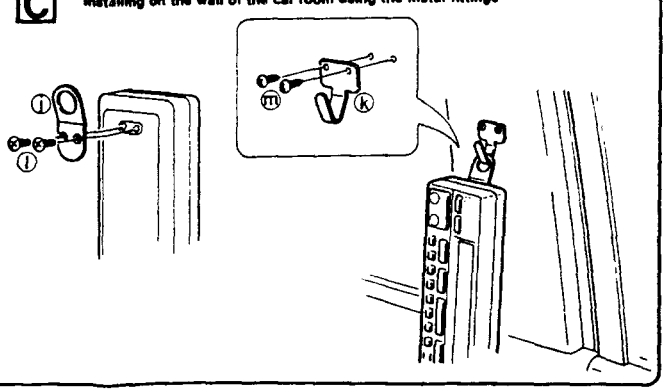
A Installing in the dashboard of the car room using the metal fittings



B Installing on the dashboard using the velcro tapes



C Installing on the wall of the car room using the metal fittings



CONNECTIONS

Caution

- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the yellow, green and the red power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- Run all ground wires to a common ground point.
- Attach the supplied ground wire.

Memory-hold connection
When the yellow power input lead is connected as shown, power will be always supplied to the memory circuit even when the ignition key is switched off.

The name and function of each lead from the CDX-A10 can be determined by its color as described below.

Red	Power input lead
Yellow	Power input lead
Black	Ground wire
Blue	Power amp control output lead
Gray	Remote control input lead
Green	Lighting lead*

*When this lead is connected to the lighting control terminal, the illumination of the remote commander is on when the car's instrument panel is lit. If you do not want to synchronize both illuminations, or if your car does not have the lighting control terminal, connect the lead to the ⊕ 12 V power terminal which is energized when the ignition key is in the accessory position.

EXAMPLE 1: With the optional tuner unit XT-10

Power antenna connection
When you use a power antenna, connect the blue lead of the CDX-A10 or the power antenna relay control lead of the XT-10 to the power antenna relay box.

Note: A power antenna without a relay control box cannot be used with this unit.

Using the remote commander, you can control the power antenna.

When you connect the power antenna relay control lead of the XT-10 to the power antenna relay box, press the TUNER/BAND key to raise the antenna. When the ALL OFF key or the DISC key is pressed, the antenna will be automatically retracted.

When you connect the blue lead of the CDX-A10 to the power antenna relay box, press the TUNER/BAND key or the DISC key to raise the antenna. When the ALL OFF key is pressed, the antenna will be automatically retracted.

For details about the power antenna, refer to the power antenna instruction manual.

EXAMPLE 2: With an optional car stereo equipped with speaker output jacks

Use the Sony XA-45 system selector (optional), which can select the sound source between that of the CDX-A10 and that of the optional car stereo.

EXAMPLE 3: With an optional car stereo equipped with a remote control input lead

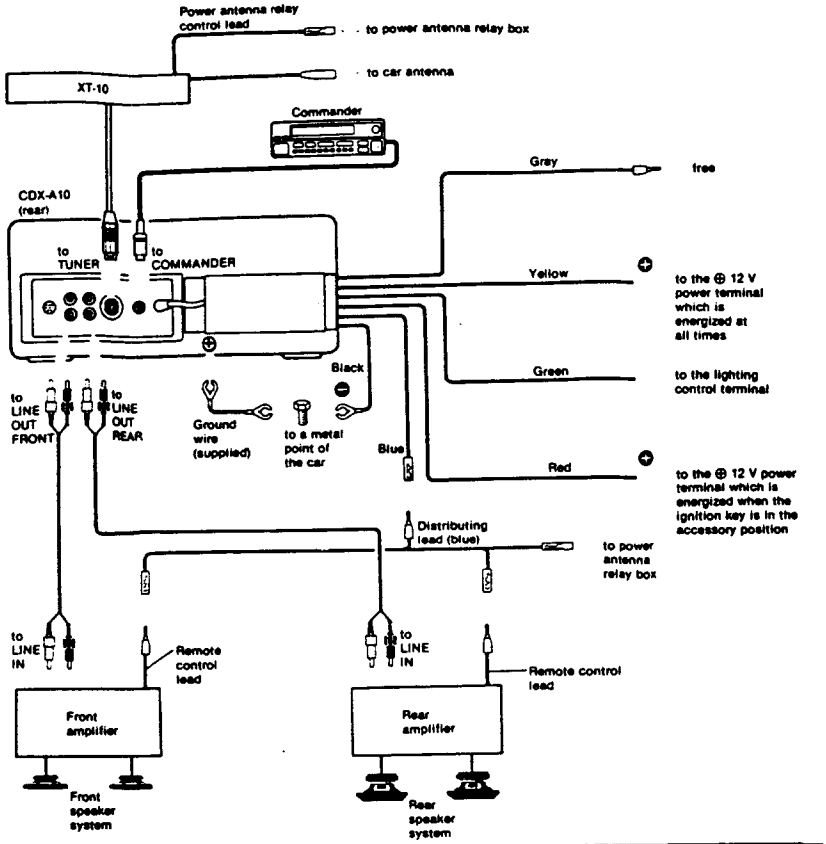
Use the Sony XA-39 (optional).

EXAMPLE 4: With an optional car stereo equipped with LINE INPUT and OUTPUT jacks (Such as Sony car stereo XR-780, XR-66, XR-787R etc.)

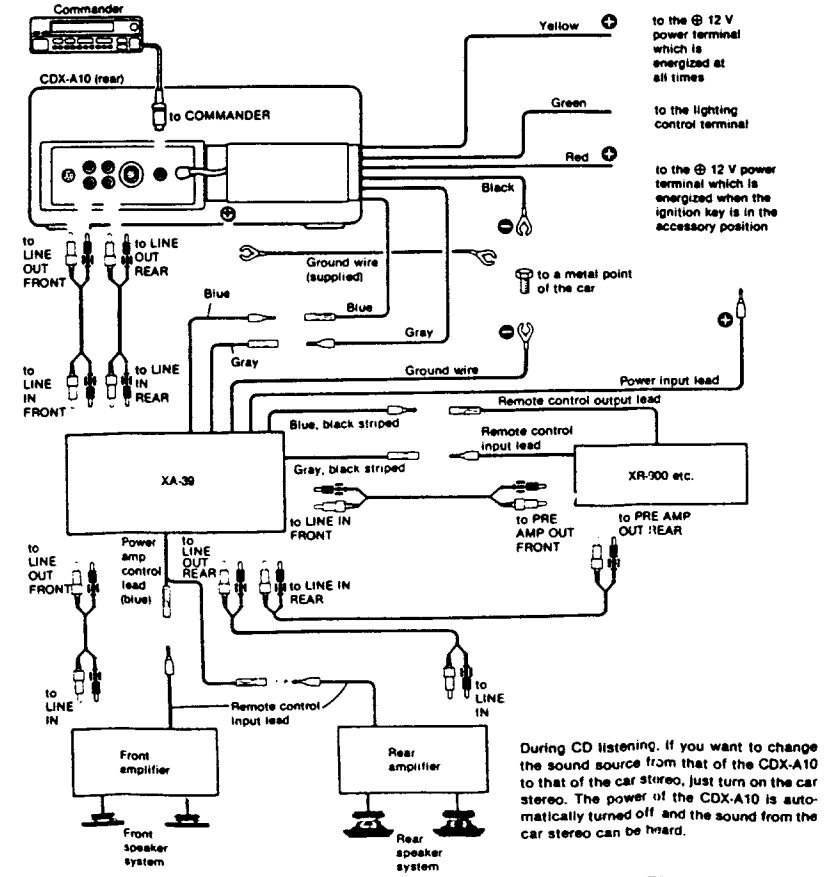
Use the Sony XA-39 (optional).

After all leads have been connected, press the RESET button of the CDX-A10 with a pencil or similar object.

EXAMPLE 1: With the optional tuner unit XT-10

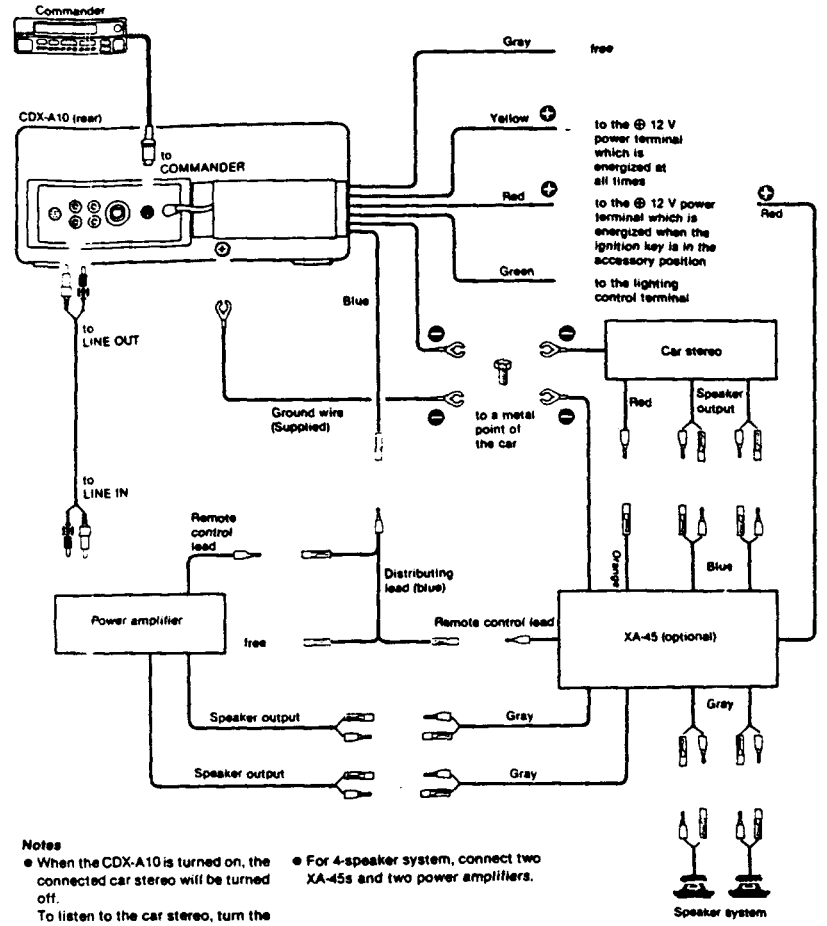


EXAMPLE 3: With an optional car stereo equipped with a remote control input lead.
(Such as Sony car stereo XR-900)



During CD listening, if you want to change the sound source from that of the CDX-A10 to that of the car stereo, just turn on the car stereo. The power of the CDX-A10 is automatically turned off and the sound from the car stereo can be heard.

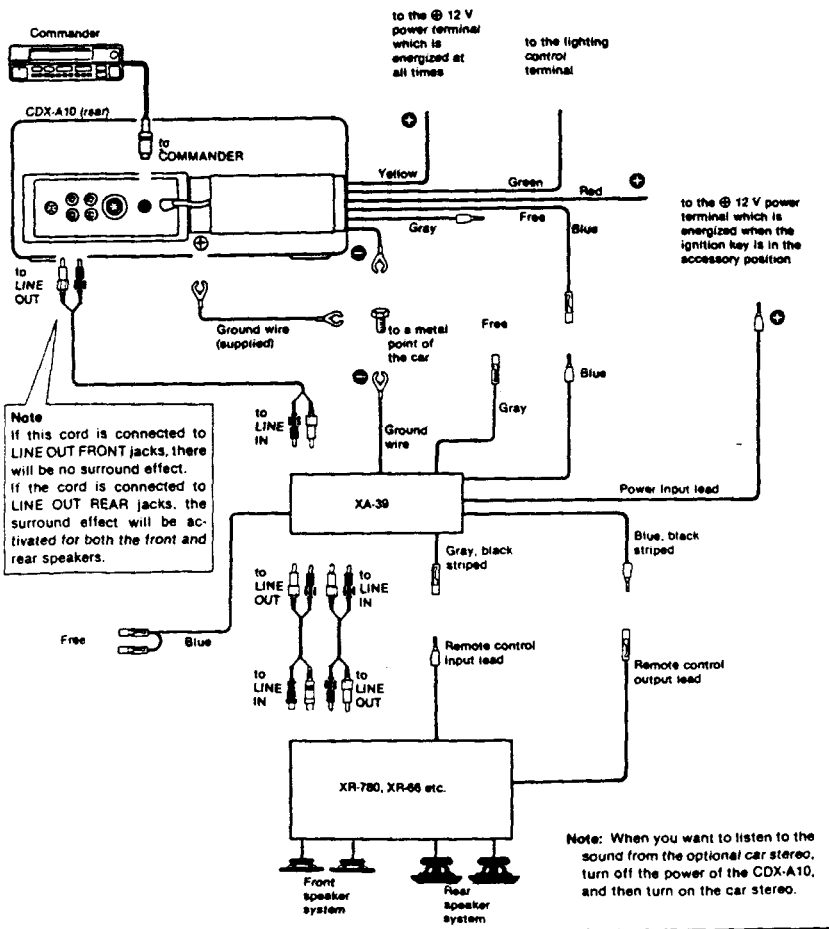
EXAMPLE 2: With an optional car stereo equipped with speaker output jacks



Notes

- When the CDX-A10 is turned on, the connected car stereo will be turned off.
  To listen to the car stereo, turn the CDX-A10 off.
- For 4-speaker system, connect two XA-45s and two power amplifiers.

EXAMPLE 4: With an optional car stereo equipped with LINE INPUT and OUTPUT jacks
(Such as Sony car stereo XR-780, XR-66, XR-787R etc.)



Note
If this cord is connected to LINE OUT FRONT jacks, there will be no surround effect.
If the cord is connected to LINE OUT REAR jacks, the surround effect will be activated for both the front and rear speakers.

Note: When you want to listen to the sound from the optional car stereo, turn off the power of the CDX-A10, and then turn on the car stereo.